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AUDIO-VISUAL AIDS FOR AUTOMATION.
BY- GIBSON, E. DANA AND OTHERS
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AUDIOVISUAL MATERIALS ON DATA PROCESSING, COMPUTER SYSTEMS, NUMERICAL CONTROL, AND OTHER AREAS RELATED TO AUTOMATION AND COMPUTERIZATION ARE LISTED IN ALPHABETICAL ORDER AND ANNOTATED IN MOST CASES. THE LISTING FROM 72 SOURCES IN THE UNITED STATES INCLUDES 100 FILMS, 84 FILMSTRIPS, AND 31 SLIDE SETS. A SEPARATE LIST OF 12 ASSORTED AIDS FROM FOREIGN SOURCES IS GIVEN. COMPLETE ACCESS TO THE TITLES IS POSSIBLE BY USE OF AN ALPHABETICAL LIST OF DISTRIBUTORS AND A TOPICAL INDEX. MOST ITEMS ARE LESS THAN 5 YEARS OLD AND ALL ARE UNDER 10 YEARS OLD. (EM)

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AUDIO-VISUAL AIDS FOR AUTOMATION

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Lewis Erber
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Bernice Hoyt

BUREAU OF BUSINESS AND ECONOMIC RESEARCH
SCHOOL OF BUSINESS ADMINISTRATION

1965

BOOK 7.1

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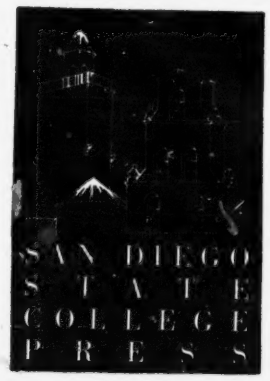

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San Diego State College
San Diego, California

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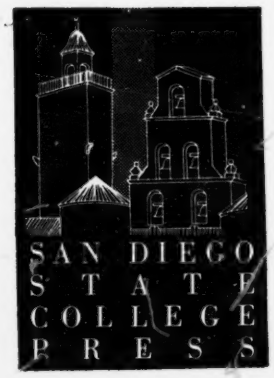

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AUDIO-VISUAL AIDS FOR AUTOMATION

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FOREWORD

This book is dedicated to the thousands of business teachers who are struggling to learn and to teach something about automation. For many of these teachers the struggle is unequal enough without having adequate audio-visual aids available. Few people, incidentally, have any idea of the wealth of audio-visual aids now available for the asking. More are coming on the market all the time, while some are being withdrawn as they become obsolete.

The author has listed domestic aids and international aids separately. Unfortunately, it has not yet been possible to uncover many foreign audio-visual aids. Some of this difficulty stems from a sheer lack of aids and from a different application for computers. Until recently, most foreign computers in use were scientific in nature. Most United States computers, on the other hand, are of the business type and involve a wide variety of equipment and methods, thereby entailing a tremendous amount of knowledge for instruction.

The audio-visual aids in this book, most of them under five years of age and all under ten years of age, should make it possible for the instructor to select the proper slides, filmstrips, and motion pictures to present the best information about a topic, a piece of equipment, form design and use, systems operations, and other facets of automation knowledge. Studies show that by coupling audio-visual aids with assignments that provide actual contact with data processing systems and machines, a teacher can provide for greater learning.

The graduate students who did much of the selection, annotation, and listing of these aids have made a significant contribution to the teaching profession. It is hoped other graduate students will assist in the continuing updating of this information so that revised editions will be available when needed.

E. Dana Gibson

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SECTION I

ALPHABETICAL LISTING OF TITLES

ALPHABETICAL LISTING OF TITIES

Part I - Films

Accounting and Calculating Machines

16 mm., sound, B & W
Teaching Aids, Inc. Rental $2 - Sale $50

Brief presentation of calculating and accounting machines, followed by an animated sequence comparing hand bookkeeping methods. Various types of modern accounting machines are presented to give the student an understanding of the machines and their performance. The student does not become a skilled operator from viewing the film, but he obtains a broader background of bookkeeping knowledge. Recommended for all bookkeeping and accounting majors.

All About Polymorphics

16 mm., 7-1/2 min.
Thompson Ramo Woolridge, Inc., Serial No. MP-43

An animated film explaining the design concept underlying the RW-400 Polymorphic Data Processing System.

America's Rising New Giant

16 mm., sound, color, 22 min.
De Vry Technical Institute

A vivid demonstration of how and why Electronics has become one of America's most promising fields of opportunity. Interesting sequences demonstrate the increasing use of Electronics in industry, and even in many phases of everyday life. Includes recent developments such as the Electronic Brain and the much talked-about Transistor. A film with tremendous appeal to vocational guidance groups, as well as to any audience interested in learning about the amazing electronic age in which we live.

Anywhere in the World

16 mm., sound, color, 10 min.
International Business Machines

A description of the IBM Owego facility and the part it plays in national defense through the production of airborne equipment.

Automatic Machines (The Search CBS Television Series)

sound, B & W, 25 min.
Massachusetts Institute of Technology
University of California, Extension

Under supervision of the Automatic Control Research Center--a cross-country tour of laboratories pioneering in the development of new robot machines designed to take over some of the duties once performed exclusively by the human nervous system. Includes demonstrations of outstanding examples of latest developments in the field of automation. For secondary schools, colleges, and adult groups--social studies, science, engineering.

Automatic Radial Draw Former and Tangent Bending (The Cyril Bath Company)

16 mm., sound, B & W
Victor Animatograph Corporation

Automatic Test Control & Data Reduction with RW-300 Digital Systems

16 mm., B & W, 8 min.
DPMA Headquarters

Military applications of the RW-300 computer; missile checkout, test stand operation, wind tunnel, data reduction.

Automatic Xerography

16 mm., sound, color, 9 min.
Haloid Xerox, Inc.

Features the advantages of Xerox Copyflo continuous printers.

Automation - From the "See it Now" TV Series

16 mm., sound, B & W, 84 min. (3 parts, each 28 min.), 1957
Rental: $17.50 - University of California
$10.50 - Syracuse University
$12.90 - City College of New York
$17.25 - Pennsylvania State University
$12.00 - University of Michigan

Edward R. Murrow explores the many problems connected with the revolutionary development of automation. Shows automation at work in dozens of industries, from aviation to banking. Views presented on the social and economic effects of automation include those of Walter Reuther, Thomas J. Watson, Jr., and M.I.T. Professor Gordon Brown, an authority on cybernetics.

Automation in Air Traffic Control

16 mm., sound, color, 11 min., 1960 cleared for T.V.
Univac - Division of Sperry Rand Corporation

Shows the detailed data processing procedures involved in a typical flight from Boston, Mass., to Washington, D. C., following the flight from the filing of the flight plan to arrival at destination. Demonstrates how the Univac File Computer handles each phase of the flight, compensating for and correcting such variables as late take-off and conflicting flight plans.

Automation in Television

sound, B & W or color, 10 min.
free loan
Admiral Corporation

Automated assembly of T.V. Receivers.

Automation is in the Home

sound, B & W or color, 7 min.
free loan
Editorial, 1955

The Automation of B. J. Blurch, Inc.

16 mm., sound, color, 16 min., 1959
free loan
DPMA International Headquarters

Produced in connection with the NMAA 1959 National Conference in St. Louis. Depicts some of the problems of management planning for the installation of data processing equipment. Realistic in text, but also animated with humor. Demonstrates how planning may be done by executive management but actual preparation will be done by data processing personnel.

Burroughs Magnetic Document Processing System, B-301

16 mm., sound, B & W, 9 min.
Burroughs Corporation

Introduces briefly the sections of the B-301: the sorter, the computer unit, the high speed lister. Explains how magnetic characters are read from the check, acted on by the computer, automatically listed, and converted to magnetic tape for a computer operation.

Visible Record Computer, B-251

16 mm., sound, color, 8-1/2 min.
Burroughs Corporation

Introduces the application of electronic computers to the creation of visible records traditional with banks.

The Bank

16 mm., sound, color, 19 min.
International Business Machines

For adults with some knowledge of banking applications. A detailed presentation of Demand Deposit Accounting, using the Programmed Applications Library approach on the IBM 1419/1401 Tape System. Includes demonstrations on the 1401 system, 1201 Proof Inscriber and 1203 Unit Inscriber, showing all accounting management reports.

Banking Premiere

16 mm., sound, color, 10 min., 1959
International Business Machines

Introduces new equipment for banking and features the Series 1200 magnetic character sensing equipment.

Base and Place

16 mm., sound, color, 16 min., 1959
DPMA International Headquarters

Presents characteristics, history, and applications of the binary system. Emphasizes basic principles of base and place in our system of numeration. Shows relationship of the system to electronic digital computers and application of the binary system by business. This is a kinescope and will not have the sound and picture quality of a regular film.

B260 AT N.M.A.A., Burroughs Newsreel 1-62

16 mm., sound, B & W, 5 min., 1962
Burroughs Corporation

The Burroughs B260 was the "star" of the National Machine Accountants Association convention held in New York City late in June. This short "newsreel" was shot on-the-spot and can be used to show the B260 in operation to interested prospects.

Cube Meets the B5000, Burroughs Newsreel 2-62

16 mm., sound, B & W, 9 min., 1962
Burroughs Corporation

Tour of Burroughs Plant in Pasadena by CUBE members (Cooperating Users of Burroughs Equipment). Shows practical examples of automated design and numerical control techniques used in production of B5000 and B200 systems. Includes first public demonstration of the B5000.

B270 at NABAC, Burroughs Newsreel 3-62

16 mm., sound, B & W, 5 min., 1962
Burroughs Corporation

Exhibit of the B270 by Burroughs in Bal Harbour, Florida, at show sponsored by NABAC (National Association for Bank Audit, Control and Operation). The B270, in its bank transit configuration, clearly demonstrates why the B200 series has become "banking's favorite computers." May be used to demonstrate the system in operation to prospects and users.

By the Numbers

16 mm., sound, color, 16 min., 1962
International Business Machines

The story of Image Processing--processing visual images into numbers so that they can be interpreted by computers. Describes the application of converting aerial photographs into detailed maps by using this exciting technology.

The Cards That Count

16 mm., sound, color, 15 min.
International Business Machines

A detailed account of the meticulous quality control that assures the reliability of the IBM card.

Careers in Business Data Processing

16 mm., sound, color, 13 min., rental: $5.
University of Southern California

Celestial Mechanics and the Lunar Probe

16 mm., sound, color, 12 min., 1958
National Aeronautics & Space Administration

Describes mechanics of guiding lunar probes. (Animated)

Census '60 (VA U 2012)

16 mm., sound, B & W, 13 min.
Univac - Division of Sperry Rand Corporation

An explanation of why and how United States census data are collected, compiled, and evaluated using FOSDIC (Film Optical Sensing Device for Input to Computers) and the Univac 1105 Scientific Computer.

Challenge of Change

16 mm., sound, color, 16 min., not cleared for Television
Pacific Telephone Company

A look at present and future communications. See the person you are telephoning? Send hand-written material over telephone wires? Call another continent via satellite? These are developments still in the experimental stage. Today's communications are exciting too: machines that talk to other machines; flexible push-button telephones; a personal paging system to carry in your pocket while you're out, which will tell you when an important call is waiting at your office or home.

City at Night - Mathematics Exhibit, Reprint of KTLA telecast

16 mm., sound, B & W, 45 min.
Distributed by the National Education TV Network
International Business Machines

Stresses the importance of mathematics and applications. Includes the film "Peep Show."

The Computer Comes to Marketing

16 mm., sound, B & W, 30 min.
Fortune Films
Business Screen Magazines, Inc.

A "committee" of executives investigate the benefits to their company of using a computer, or high speed electronic data processing. They report on the computer applications in the whole range of marketing--from production control as related to distribution, through inventory control, improved customer service and sales forecasting down to better-armed salesmen, superior market analysis and a better basis for marketing management's decision-making.

Computer Control of a Catalytic Cracker

16 mm., sound, color, 9 min., 1962
International Business Machines

Shows an IBM 1720 Control System (special system) on line to the Standard Oil Company of California's petroleum catalytic cracking unit at El Segunda, California, performing closed loop operations. Reviews the control problems and demonstrates the IBM Control System's ability to solve these problems. Best suited for audiences familiar with the petroleum processes involved.

Computer Programming

16 mm., sound, B & W, 26 min.
System Development Corporation

A good film to show to logically minded prospective programmers or those interested in knowing what a programmer does.

The Control Revolution

16 mm., sound, B & W, 29 min.
Net Film Service. Rental: $5.25, sale: $125.00

Through animation, the initial section pictures the basic elements in a modern, continuous, self-adjusting control system. "Feed back" is shown to be essential. A thermostat is used as a simple example. Control systems built around a computer are discussed. For illustration, John McCarthy of the Wyman Gordon Company, a medium-sized industrial plant, shows computer installation at the plant and how his firm uses the computer to record and integrate information on everything from inventory to payroll. Each of the guests, Dr. Forrester, Dr. Hamming, and Professor Dantzig, adds his own comments about the ways in which computers release corporate management from routine decision-making so that increased attention can be given to more difficult problems.

Costs That Make Sense

16 mm., sound, color, 15 min., 1961
International Business Machines

Demonstration of the IBM 1401 System at the American Trucking Association Conference in San Francisco, describing its application in detail as it pertains to the motor freight industry.

Data Processing for Hospitals

16 mm., sound, color, 16 min., 1959
International Business Machines

Story of a RAMAC 305 as used in hospital accounting. Shot on location at the New York Coliseum during the machine demonstration at the American Hospital Association Convention.

The Datamatic 1000 System

16 mm., sound, 26 min.
Minneapolis Honeywell Company

The Michigan Hospital Service installation in Detroit; contemplating one of Honeywell's 800 systems. Narrated by Lowell Thomas.

Decisions, Decisions, Decisions

16 mm., sound, B & W, 12 min., not cleared for Television
Univac - Division of Sperry Rand Corporation

A description of simulations, or "games," using the UNIVAC I at Franklin Institute, Philadelphia, Pa. Made during an actual "play," the film summarizes the objectives, goals and results, tangible as well as formulative, realized by the participants.

Definition of Therbligs

16 mm., silent, B & W, 14 min.
Purdue University Extension

Purpose is to provide examples of each therblig and to aid in defining the beginning, contents, and end point of each therblig. Consists of twenty numbered sequences illustrating each of the therbligs.

Delay Into Dollars

16 mm., sound, color, 17 min., free rental
Arthur Anderson & Company

Shows integrated data processing as applied to the trucking industry.

The Desk Set

35 mm. (Theater), sound, color, 104 min. (20th Century Fox)
Films, Inc.

Hilarious adventure to the reference department of a TV office where an efficiency expert plans to install an electronic brain. Stars: Spencer Tracy and Katherine Kepburn.

Dial the Miles

16 mm., sound, color, 15 min., cleared for Television
Pacific Telephone Company

Why and How Direct Distance Dialing was developed. Scenes show how the electronic "brain" establishes the connection with one particular telephone out of the millions in the entire country. Equipment records calls so that billing can be completed automatically.

Direct Line to Decision

sound, color, 23 min., free loan
Modern Talking Picture Service, Inc.

An explanation of the IBM 705.

Disks That are a Cylinder

16 mm., sound, color, 10 min., 1958
International Business Machines

Introduces the IBM 1301 Disk Storage and the concept of read/write heads for each data disk surface to provide cylinder-like function. Best suited for audiences with some knowledge of computer memory storage concepts.

Donald in Mathmagic Land

16 mm., sound, color, 28 min.
University of Michigan. Rental: $10.00

Donald Duck, used to symbolize the layman's concept of mathematics as a boring and complicated subject, takes an exciting trip through the world of mathematics and learns the presence of mathematics in virtually every phase of our life--in music, architecture, fine arts, nature, mechanics and invention, sports, and games.

Duplicating by the Spirit Method

16 mm., sound, color or B & W, 15 min.
Bailey Films, Inc.

Shows the step-by-step operations in cutting stencils and printing copies of the spirit or liquid method.

Dynamic Sales Management

16 mm., sound, color
Remington-Rand Corporation

Charley White, Sales Manager for an electrical wiring manufacturer, faces the problem of securing facts needed to improve sales efficiency under current conditions.

The Easier Way

16 mm., sound, B & W, 10 min.
General Motors Corporation

Motion study makes a worker's job easier.

Eggs by Automation

16 mm., sound, color, 10 min.
University of Michigan
Tom Hotchkiss

How electro-mechanical principles can lighten human labor, reduce food costs, speed marketing of farm products. Follows eggs from farm to breakfast table through incredible mechanical steps that clearly reveal meaning of automation.

Electronic Bank Bookkeeping on the Job

16 mm., sound, color, 12 min.
Burroughs Corporation

Covers the installation of Burroughs Electronic Bank Bookkeeping machines at the first Pennsylvania Banking and Trust Company.

Electronic Computers and Applied Mathematics

16 mm., sound, color or B & W, 23 min.
Educational Films Division)
Don H. Parson Associates) Sale: color $220, B & W $110

Colburn Film Distributors. Rental $10 a day
$3 each additional day

Explains basic principles and operations of electronic computers and the use of Binary Arithmetic so that number systems and the Place Value Concept are more meaningful. Unusual uses of the computer stimulate interest in mathematics and science careers. Recommended for Junior High - math, general science; Senior High - math, physics, business; College - math, physics, business.

Electronic Computers Improve Management Control

16 mm., sound, color, 15 min.
Rental: $10.00 - University of California
$10.00 - Selected Films
$5.75 - Pennsylvania State

Presents a predicament in a typical manufacturing organization which arises when a large customer order is cancelled because of production delays. History of the order is traced from order placement right through to production. Shows the latest types of business machines and how they can be used to design an efficient production control system. This system is then applied to the specific problem.

An E. D. P. Site-Seeing Tour

16 mm., sound, color, 18 min., 1960
National Cash Register Company

A tour of five NCR 304 sites, with a description of the operation of the EDP System and the 304 System.

Electronics: The Diode

16 mm., sound, B & W, 17 min., rental: $2.50
American Film Registry

Principles of electron flow across a gap; factors of the diode.

Electronics for Accounting and Business

16 mm., sound, color, 23 min., rental: free
Arthur Andersen & Company

Basic introduction to the use of electronic computers and their application to business problems.

Electronics in Space Travel

16 mm., sound, color, 22 min., rental: free
DeVry Technical Institute

Illustrates the role electronics is playing in man's conquest of space. Easily understood narration with animation describing future manned flights to other planets, a landing on the moon, and other unique sequences. Filmed in Cape Kennedy, Florida.

Electronics is Helping to Write for American Industry

16 mm., sound, B & W, 22 min.
DeVry Technical Institute

Engine at the Door

16 mm., sound, B & W, 29 min., rental: $5.25, sale: $125
Net Film Service

The question, "Will machines ever run man?" is discussed by Mr. Eckert, Dr. Nagel, and Dr. Decarlo. The central conclusion: Although the computer is the machine most like man himself, it is not the machine but man who determines what is to be done.

F-2000 Computer

16 mm., sound, color, 17-1/2 min.
Burroughs Corporation
DPMA Headquarters

A selling demonstration of the Burroughs F-2000 computer, a direct multiplying-accounting machine. Illustrates applications of business and industry, banks, and government; using an impressionistic setting for each application. Computation procedures are shown in payroll, billing, stock records, mortgage loan, and tax billing. Brief animation sequence provides basic understanding of "how" the machine computes through use of printed circuits which "remember" their multiplication tables.

Fair Day's Pay

16 mm., sound, B & W, 20 min.
Procter & Gamble

Presents methods of job evaluation which a company uses to arrive at a fair day's pay.

The First Alert

16 mm., sound, color, 15 min., 1962
Burroughs Corporation

Presents the story of radar defense system, called AIRI for Airborne Long-Range Input. Demonstrates ultra-compact computers.

The Flow Process Chart

16 mm., sound, color, 15 min., rental: $2.75
City College of New York
DPMA Headquarters

Explains the use of the flow process chart and flow diagram in simplifying and standardizing work operations. Stresses the importance of job breakdown in time saving. Demonstrates the use of the chart and diagram by recording and analyzing simple operations. (Animated)

Flow Process Chart and How to Use It

16 mm., sound, color, 15 min.
Rental: $4.50 - University of Michigan
$6.00 - University of California, Extension

Demonstrates process analysis through flow chart; application to work-simplification. Step-by-step entries, coding by symbols, graphic development of information. Reviews complete procedure with a flow-process-chart analysis of a man shaving.

The Foreman Discovers Motion Study

16 mm., sound, color, rental: $10.00, sale $150.
University of California, Los Angeles

Presents lifelong learning.

Forms Handling Equipment

16 mm., sound, color, 5 min.
Moore Business Forms, Inc.

Shows what is available in the way of forms handling equipment, such as Decollators, Bursters, Imprinters, etc.

Friendship 7

16 mm., sound, color, 58 min. 1962. Rental: free
United World Films

Depicts the day of Astronaut John Glenn when he orbited the earth three times. Limited to the documentation of Project Mercury with a close look at the several international tracking stations around the world.

Have I Told You Lately I Love You

16 mm., sound, B & W, 20 min.
University of Southern California
University of California, Extension

The modern family enslaved by automatic gadgets in home and business. Family members go through the days with no real person-to-person contact because everything is done automatically. Emphasis is placed on life being more than just a robot existence. The Machine Age's non-communicative family life is dramatically and forcefully pointed out, even if somewhat exaggerated.

The Information Machine

16 mm. or 35 mm., sound, color, 10 min.
International Business Machines

A sophisticated, sometimes amusing account of the development of the electronic computer beginning with primitive man and ending with the advent of machine simulation. Colorful and imaginative, this film is an effective communications device for explaining the nature of data processing. For junior and senior high school students and adults.

Insurance Bulletin No. 1

16 mm., sound, color, 11 min., 1962
International Business Machines

Reports on a new technique utilizing random access memory and remote inquiry stations to make insurance policy information instantly available to all departments needing it. Demonstrates the IBM 1014 Remote Inquiry Station. Best suited for audiences with some knowledge of this subject.

Integrated Data Processing

16 mm., sound, color, 35 min., 1956
Rental: Preview, $5.00; 1-day $20.00 - Business Education Films
Free - Standard Register Company

Demonstrates IDP equipment of 14 major manufacturers and how it may be incorporated into an efficient, modern data processing system. Produced by National Office Management Association--37th International Conference.

Integrating the Office for Electronics

16 mm., sound, B & W
American Medical Association

Intercept

16 mm., color, sound, 10 min., 1959
DPMA Headquarters
International Business Machines

How the Sage/Bomarc air defense system operates. A giant IBM computer in the Sage installation tracks the flying target automatically. It fires the missile from a launching point hundreds, or even thousands of miles away and it guides the missile in flight to its target.

IBM Card (International Business Machines)

16 mm., sound
Victor Animatograph Corporation - Division of Kalart

The IBM 1404 Printer

16 mm., sound, B & W, 8 min., 1962
International Business Machines

Illustrates functional principles of the 1404 chain printer for the IBM 1401 Data Processing System. Includes suggested application areas for "cut" card forms on which the 1404 printer is able to print because of its bill feed capacity. Best suited for audiences with some knowledge of this subject.

The IBM 1428 Alphameric Optical Reader

16 mm., sound, color, 11 min., 1962
International Business Machines

Describes the IBM principle of optical character reading and shows dramatically the many outstanding features of the IBM 1428. Details both its functions and use in a clear, easy-to-understand fashion.

IBM Control Systems at Work

16 mm., sound, B & W, 5 min., 1962
International Business Machines

Demonstrates IBM Control Systems on line to a fractional distillation unit at the American Oil Company in Whiting, Indiana; and a blast furnace operation at the Inland Steel Company in Hammond, Indiana. Reviews

process control problems and demonstrates how IBM control systems help to solve these problems. Best suited for audiences with a knowledge of process control.

Introduction to Automatic Data Processing (TF 11-2552)

16 mm., sound, B & W, 31 min., rental: free
Fifth Army

Discusses the automatic data processing system, explaining its underlying concept, capabilities, operations, and application as a management tool. A simple problem is processed for demonstration purposes. (Animated).

Introduction to Digital Computers

16 mm., sound, color, 25 min.
Univac - Division of Sperry Rand

"What is a computer?" and "How does it work?" are questions answered with animated sequences explaining the five basic functions of a computer; i.e., input, control, arithmetic, memory, and output.

Introduction to Feedback

16 mm., sound, color, 11-1/2 min.
International Business Machines

Simple presentation of the feedback idea--its growing importance in our culture and some examples of tools developed to facilitate its use.

Introduction to Work Sampling

16 mm., sound, color, 18 min.
Rental: $7.00 - University of Michigan
$10.00 - University of California, Los Angeles

Random sampling used for measuring work as well as measuring delays and idle time.

It Must be Somewhere

16 mm., sound color
Remington-Rand

Shows what can happen when the contract on a large order for a good customer is lost and how the records management department is updated to do its work more efficiently.

Job Evaluation

16 mm., sound, B & W, 10 min.
McGraw-Hill Book Company, Inc.

Shows basic content of jobs in plants and ways to evaluate for labor grades, wage contracts, etc.

Keys to Electriconomy

16 mm., sound
Remington Rand

Learning and Behavior

16 mm., sound, B & W, 26 min., rental: $4.50 for 3 days
State University of Iowa

Demonstrates how science can actually measure the learning process.

Letter Indexing Applied to Clerical Operations

16 mm., sound, B & W
Tennessee Valley Authority

The Living Machine

16 mm., B & W, Part I - 29 min., Part II - 30 min.
Purchase: $250.00)
Rental: $15.00) - Sterlin Educational Films

$15.00)
Part I - $7.00) - William M. Dennis Film Libraries
Part II - $7.00)

Demonstrates the "artificial intelligence" of machines: A New York checkers champion "challenges" an IBM computer to a game of checkers and gets a close run for his money. Produced by the National Film Board of Canada.

Machine Tools and Motions

16 mm., sound, B & W, 18 min.
General Motors Corporation

A teaching film that shows machine designers and motion study men how to make workers' jobs easier.

Magic Wheel

16 mm., sound, color, 29 min.
Modern Talking Pictures

National Cash Register - How business machines are made and used.

Making Electrons Count

16 mm., sound, B & W
Digital Computer Lab, Massachusetts Institute of Technology
Rental: Available on loan, shipping costs only to be paid

Maintenance of Office Machines

16 mm., sound, B & W, 37 minutes (3 reels), rental $3.00
Teaching Aids, Inc.

Care and maintenance of typewriters, transcribing machines, dictaphones, adding machines and calculators. Protection against dust, dirt, and carelessness stressed.

Man-Machine Charts

16 mm., B & W, 22 min.
Rental: $2.50 - State University of Iowa
$4.75 - Pennsylvania State University

Describes the construction and use of a man-machine chart. The chart is used to record the activities performed by the man and by the machine side by side on a sheet of paper. The activities are then studied in combination to see if they can be rearranged or simplified for more effective use of the time of man and machine. Produced under the direction of the College of Engineering, State University of Iowa, (Student manual available - $.35 each).

Managers and Models

16 mm., sound, B & W, 29 min., rent: $5.25, sale: $125.00
Net Film Service

Explains the design and simulation capacities of the modern digital computer. Dr. Hoeltzer of the Marshall Space Flight Center in Huntsville, Alabama, shows how the computer is used there to simulate in advance the problems encountered in firing a Saturn rocket. Dr. Baron demonstrates the use of a computer in selecting the optimum design for a chemical plant. Richard Brooks and Neil Pennington explain how a computer simulates every step in the sugar refining process at the C & H Refinery in Crockett, California. Messrs. Brooks, Pennington, and Isaac then discuss the value of this to the C & H management.

Mark of Competence

16 mm., sound, color, 20 min.
Burroughs Corporation

Documents the work that Burroughs has done in developing electronic data processing systems and devices for the military services. These include the Atlas missile guidance computer, a stabilization computer for the Polaris submarines, and computers for both the ground-based SAGE and the airborne ALRI air defense systems.

Mathematical Peep Show

16 mm., sound, color
International Business Machines

Mathematics at Your Fingertips

16 mm.
National Film Board of Canada
National Film Board, New York City

Illustrates and demonstrates one of the new methods of teaching mathematics.

A Matter of Form

16 mm., sound, color, 20 min. (1 reel), rental: free
Moore Business Forms, Inc.

All aspects of production and use of Moore products with modern data processing equipment.

Memory Devices

16 mm., color, 28 min.
Pacific Telephone Company

Designed for technical societies and college science and engineering classes. Shows information storage devices used in modern computer "memories" and explains how binary information is stored in them. Produced under the guidance of scientists at Bell Telephone Laboratories who work in field of storage devices for machine memories.

Metals Information Center of Tomorrow

16 mm., sound, color, 14 min.
Western Reserve University

Literature searching.

Methods Analysis

16 mm., sound, B & W, 10 min.
Rental: $2.50 - City College of New York
$2.25 - Pennsylvania State
$2.25 - University of Colorado

Describes the use of methods analysis to reduce production costs. The work of the job analyst and of the time study engineer is also shown through the study of the manufacturing cycle.

Mighty Labors

16 mm., sound, color, 34 min.
Industrial Engineering College

Clarifies Industrial Engineering functions, principles, and practices.

Mimeographing Techniques

16 mm., sound, color or B & W, 572 feet, 16 min.
Bailey Films, Inc.

Mines, Mills, and Minutes

16 mm., sound, B & W, 16 min.
Univac - Division of Sperry Rand

A case study of the Great Northern Railroad's movement of iron ore from the mines to the Great Lakes where it is loaded into boats. Shows the unique manner in which ore is accounted for, including grade and price, with a special purpose UNIVAC computer.

Minuteman

16 mm., 30 min.
Association Films, Inc.

The new missile that is launched in 32 seconds. From the Prudential "Twentieth Century" series.

Mr. Digit and the Battle of Bubbling Brook

Color, 16-1/2 min., cleared for TV
Pacific Telephone and Telegraph Company

Stars the radio-television team, "Ethel and Albert." Deals with the subject--All Number Calling. As animated cartoons, "Mr. Digit" and his army of numbers effectively tell the story of how our nation's growth made the new number system necessary.

Modern Business Machines

16 mm., sound, B & W, 11 min., rental: $3.50
Teaching Aids, Inc.

Demonstrates the electromatic typewriter and the new Chinese typewriter which contains some 5,000 characters and writes the Chinese language at a rate of 40 to 50 words per minute. Features machines that are rather expensive and not to be found in the average classroom.

Mobile Telephones

16 mm., sound, B & W
American Telephone and Telegraph Company

Modern Business Machines for Writing, Duplicating, Recording, Etc.

16 mm., sound, B & W, 17 min., rental: $3.75
Teaching Aids Exchange

Months Into Minutes

16 mm., sound, color, 10 min.
Remington Rand

An introduction to the units and operation of the UNIVAC 1103 Scientific Computer. Areas of application are highlighted such as: Oil, Utilities, and National Defense.

A Moon is Born

16 mm., sound, color, 4 min.
International Business Machines

Portrays the earth satellite program, featuring the use of the IBM 704 computer to predict the orbit of the man-made moon. (Animated)

More Than Miraculous

16 mm., sound, color, 23 min.
Burroughs Corporation

A direct recording sales demonstration of the Burroughs Magnetic Character Sorter.

Motion Study

16 mm., sound, B & W, 18 min.
Rental: $3.50 - University of Michigan
Iowa University

Classification of hand motions; how motion study principles make possible better and easier ways to work. Applications in pinboard assembly, folding cartons, filling bottles, and inserting papers in envelopes.

Motion Study Applications

22 min., rental: $4.75
Pennsylvania State University

Old and improved methods for filling pinboard, inserting papers, mailing envelopes, folding paper cartons, assembling refrigerator grids.

Motion Study: Principles

16 mm., sound, B & W, 30 min., rental: $5.75
Pennsylvania State University

Some of the most important principles of motion study and how they may be applied to specific operations.

The NCR 450 Proof Machine

National Cash Register Company

Deals with NCR's proof machine used in bank proof systems. Explains the Magnetic Ink Character Recognition program which is the standard language for bank automation systems.

The NCR 315 Electronic Data Processing System Featuring CRAM

16 mm., sound, color, 28 min.
National Cash Register Company

Deals with the NCR 315 computer; contains a detailed explanation of the revolutionary memory system CRAM.

The National 390

16 mm., sound, color, 28 min.
National Cash Register Company

A detailed look at the 390 system with special reference to its application in both government and commercial usage.

The NCR 240-1 Optical Character Scanner

16 mm., sound, color
National Cash Register

Deals with the NCR Optical Scanner; contains a detailed explanation of NCR's method of reading Optical Characters and the role of a scanner in a data processing system.

The Next Step

16 mm., sound, color, 15 min.
International Business Machines

Describes an application of the IBM 1401 system to the public utility industry, especially in reference to public utility accounting and public utility engineering. Included is a demonstration of the 1401 system at the 1960 National Accounting Conference for the public utility industry.

No Compromise

16 mm., sound, color, 13-1/2 min.
International Business Machines

Shows quality control procedures and stresses the importance of adhering to high standards of quality in the production of airborne electronic equipment.

No Margin for Error

16 mm., sound, B & W, 5 min.
International Business Machines

Brief summary of the activities of the IBM Magnetic Tape Testing Center at Minneapolis where magnetic tapes are tested.

No Time for Cookie Jars

16 mm., sound, color, 20 min.
Remington Rand

Presents machines and methods for collection of tolls for both barrier and interchange toll systems, featuring the Synchomatic, the Alphabetical Tabulator, Univac 120, and Univac File Computer.

Number System and Its Structure

B & W or color, 11 min., sale: B & W - $60.00, color - $120.00
Coronet Films

Reviews the concepts on which any number system is based and introduces the binary system used in electronic computers. A survey of the place of integers, fractions, and negative numbers in our number system and an explanation of the cummutative, associative, and distributive laws and closure principles of arithmetic. Provides a basis for further progress in mathematics.

Numerical Control

color, 15 min., not for distribution
Rohr Corporation

Numerical Control, Industry's Advanced Production Method

Color, 21 min.
Boeing Airplane Company
Business Screen Magazines, Inc.

Explains the numerical control method of automatically machining complex parts, using punched or magnetic tape for electronic direction of all cutting operations. The processing of a typical part is detailed: original engineering drawings, plotting of cutter paths, calculation of their three-dimensional descriptions translating the description into tape commands via electronic computers, and the actual machine operations. Planned for technical laymen audiences.

Numerical Control--Solid State

16 mm., sound, color, 10 min.
Univac - Division of Sperry Rand

A demonstration of automatically-controlled machine tools used in the manufacture of metal parts for the aircraft industry. Preparation by Univac Solid State Computer of control media for machine tools, making it possible to fabricate highly complex parts faster and more economically than could be done with conventional tooling methods.

OAO - Eye in Space

16 mm., sound, B & W, 7 min.
Burroughs Corporation

Tells the story of the Orbiting Astronomical Observatory, using colorful animation and a striking musical score. Mission: To unveil the mysteries of the universe through ultra-violet star mapping.

Office Work Simplification Improvements

16 mm., magnetic sound, color, 12 min.
Modern Talking Picture Service
A. B. Dick Company

Seven office methods improvements at A. B. Dick Company are documented showing the "old" methods, the improved methods, and the savings involved.

On Guard

16 mm., sound, color, 13 min.
International Business Machines

Displays the scope of the SAGE system and the airborne computer used in the bombing navigation systems of our Strategic Air Command bombers.

Orthoscanning

16 mm.
Honeywell, EDP Division

Short film on Orthoscanning, high-speed scanning of information on pre-printed cards; could be construed as an advanced form of office automation.

Overcoming Resistance to New Methods

16 mm., sound, color, 8 min.
McGraw-Hill Company
NOMA

Part of Set II, supervisory problems in the office.

Pacific SemiConductors, Inc.

16 mm., sound, 10 min.
Thompson Ramo Woolridge, Inc.

Production of semiconductor devices, with emphasis on production techniques and quality control.

The Paperwork Problem

16 mm., sound, color, 17 min.
Modern Talking Picture Service

Applies principles of work simplification to an office procedure at the Allis-Chalmers Company, resulting in elimination of a special form and a reduction in time required to complete the transaction.

Performance and Work Measurement - Quality Control

21 min.
American Management Association

Mr. Murray devotes his entire discussion to the important issue of measuring qualitative performance. Using a typical situation, he employs the Thorndike Chart and a plan based on the Dodge-Roman tables to explain clearly and simply a technique which will enable you to establish "an exact tailored sampling plan to any specifications you have in mind."

Performance and Work Measurement - Work Sampling

52 min.
American Management Association

A discussion of the philosophy and technique of work sampling. Mr. Murray first considers the important preliminaries and then the actual sample itself. Citing typical work samples and their findings as related to men as well as to machines, he clearly explains all the fine points and technical aspects of this procedure. Mr. Murray concludes by relating several possibilities of sampling, mentioning some of the areas where it has been successfully employed.

Pert Applications and Principles

39 min.
American Management Association

Beginning with a brief history of the "Program Evaluation and Review Technique," Mr. Codier then describes what PERT is and what you can hope to accomplish by using it. PERT is broken down into its simplest terms, using hypothetical cases to explain its operation and its effectiveness. He concludes by explaining four PERT rules which he considers of fundamental importance.

Piercing the Unknown

16 mm., sound, color, 22 min., free loan
International Business Machines

Development of IBM's computing machines. Explains how the need for computers arose and the unique role they are playing in scientific and industrial progress.

Pilot for Atlas

16 mm., sound, color, 5 min., 1958
Burroughs Corporation

A fast-moving documentary filmed on location at Cape Kennedy and dramatizing the role of the Burroughs computer in guidance of the Atlas Inter-Continental Ballistic Missile.

Potlatch Forests, Inc.

16 mm., sound, B & W, 7 min., 1961
International Business Machines

An excellent demonstration of the first IBM 1710 installed in the paper industry. The operation of a giant paper mill is graphically shown. Best suited to audiences with some knowledge of paper-making industry and process control.

The Power to Serve

16 mm., sound, color, 23 min., 1959
Burroughs Corporation

A direct recording sales demonstration of the Burroughs Magnetic Character Sorter.

The Problem Solvers

16 mm., sound, color, 22 min., 1958
Burroughs Corporation

Designed to demonstrate Burroughs' proven capability in weapons systems production and allied fields. Has OR applications.

Process Charts

16 mm., sound, B & W, 16 min., 1953
Rental: $3.50 - Pennsylvania State University
$2.50 - State University if Iowa

Thorough analysis of a specific work operation, how a process chart is made, and how work can be simplified systematically through its use. The construction of a flow diagram in helping to visualize the total work situation is discussed. Applications of process charting and flow diagramming in a variety of work situations are suggested.

Profitable Computer Systems

40 min.
American Management Association

Mr. Field predicts that, "Business systems engineering and the computer should provide the major growth in national productivity." He explains how computer systems have helped companies expand, cut costs, improve operations, and boost profits. Through exhibits and supplementary visual materials, Mr. Field demonstrates how executives can increase their efficiency and effectiveness by utilizing the vast resources of this increasingly important management tool.

Program for Progress

16 mm., color, sound, 20 min., rental: free loan
Burroughs Corporation

Portrays the present position of Burroughs Corporation in the electronics industry.

Programming Languages

16 mm., sound, color, 5 min.
System Development Corporation

Illustrates one of many simple ways of introducing nonprogrammers to programming. (Semi-animated)

Pulse of Automation

16 mm., sound, color, 19 min., 1956
Meletron Corporation

Quality Control

10 min., rental: $2.25
Pennsylvania State University

Factors in setting quality standards, effects of higher or lower quality standards on manufacturing cost and selling price. Correlated with Bethel, Atwater, Smith, and Stackman: Industrial Organization and Management.

The Question Tree

16 mm., sound, color, 13 min.
International Business Machines

An examination of man's curiosity about the world around him, where this curiosity has led him, and how intelligent questions lead to scientific discovery.

R C A 501

16 mm., sound, color, 60 min.
Radio Corporation of America

The RW-300 Digital Control Computer

16 mm., 7 min., Serial No. MP-19
Thompson Ramo Woolridge, Inc.

Industrial process control applications and capabilities of the RW-300 computer, refinery operations, chemical plant applications.

RW-400 Polymorphic Data Processing System

Thompson Ramo Woolridge, Inc.

Lecture film on the characteristics of major system components.

RAMAC

16 mm., color, sound, 10 min.
International Business Machines

Treats both the RAMAC 305 and RAMAC 650, explaining the nature of random methods of accounts and control. Suitable only for audiences with special interest in, and some understanding of, data processing.

Rocket Squad

16 mm., sound, color, 9 min., not cleared for TV
Univac - Division of Sperry Rand

Porky Pig is featured as Sgt. Joe Monday on a space-age manhunt for a flying saucer bandit.

Rohr-Remington Rand, Numerical Control

12 min., color, not for distribution
Rohr Corporation

The Search at San Jose

16 mm., sound, color, 15 min.
International Business Machines

How RAMAC was developed at the IBM plant at San Jose.

SDC's Automated Teaching Project

16 mm., sound, color, 14 min.
System Development Corporation

An informal discussion on the nature and potentials of computer-oriented instruction developed at SDC with a complete system approach.

Sampling Work in the Office

16 mm., sound, B & W, 30 min
Audio-Visual Extension Service

Presents various time-saving methods in use in offices today. Somewhat outdated but good for study groups.

Saving with Suiap

16 mm., sound
Remington Rand Corporation

The Search: M.I.T. Automatic

16 mm., sound, 2 reels
University of Wisconsin, Bureau of Audio-Visual Instruction

Young America shows developmental labs of automation.

The Sensitronic

16 mm., sound, color, 21 min.
Burroughs Corporation

Demonstration of the Burroughs electronic bank posting machine, the Sensitronic, including a thorough treatment of the magnetic storage and pick-up of information, a slow-motion sequence dramatizing the ease of form handling and detailed demonstrations of several bank accounting routines, such as trial balancing.

Sights and Sounds of Progress

16 mm., sound, color, 23 min.
Univac - Division of Sperry Rand

A summary of advancements in engineering research, facilities, and new products of the Sperry Rand Corporation for 1961.

Sensimatic Story

16 mm., sound, color, 21 min.
Burroughs Corporation

The typing Sensimatic is demonstrated on several applications such as cash receipt journaling, voucher distribution, and distribution and totaling.

S.A.M. Rating Films, Society for Advancement of Management

16 mm., silent, 10 min., manual, 8 reels, rental: $2.25 each part
City College - Audio Visual Center

Illustrates 24 typical manufacturing and clerical operations. Each real contains 3 operations, each operation shown alternately at 5 different speeds of actual operator-performance. Preparations were filmed and are projected at 960 frames per min. Rating and time factors are based on the pooled judgments of 1200 experienced time-study engineers.

Speediflex

16 mm., sound, B & W, 20 min.
Moore Business Forms

A review of the Moore Speediflex, completely illustrating and explaining its construction advantages over all types of high speed writing equipment. Shows the product in actual use on these machines.

A Stronger Link

16 mm., sound, B & W, 17 min.
Burroughs Corporation

The new Burroughs technique of electro-static recording on electronic high speed printer.

Success Story

16 mm., sound, B & W, 30 min.
Moore Business Forms

A documentary on Moore Business Forms.

Superconductivity

16 mm., sound, color, 10 min.
Burroughs Corporation

Illustrates the principle of superconductivity and the fabrication cycle of superconductive devices. A 135 line Cryotron Memory Plane is seen taking form. Time-lapse photography shows the evaporation of this film layers on a glass substrate to make the memory plane.

TRW Computers Closing the Loop

16 mm., B & W, 19-1/2 min., Serial No. MP-50
Thompson Ramo Woolridge, Inc.

TRW control and simulation system installations at Texaco, Riverside Cement, Federal Aviation Agency, B. F. Goodrich, and Douglas Aircraft.

TRW Western Electronics

16 mm., B & W, 7 min., Serial No. MP-36
Thompson Ramo Woolridge, Inc.

A brief account of Ramo-Woolridge, Pacific Semi-conductors, Inc.

Talking of Tomorrow

Color, 10 min., cleared for TV
Bell Telephone Company

A look ahead to the year 2,000 as predicted by "Dialer" an animated cartoon character who worked at the Bell labs. Dialer tells "Unk" an eccentric old inventor, about such services as: international business conferences by picturephone, transmission of written messages by electronics, interspace communications by optical maser, world-wide TV, and SYBYL, a present day computer which helps predict the future of communications.

The Teaching Machine - A Psychological Experiment

16 mm., sound, B & W, 27 min., rental: first day $15.00
Hamilton Film Service

Science measures the learning process. Dr. B. F. Skinner at Harvard's Psychology Laboratories, with Dr. R. J. Herrenstein, uncovers important knowledge about the process of behavior. Dr. Skinner shows that all learning is dependent upon reward as a means of reinforcing a learned response. The relationship is shown between the work being done by Dr. Skinner and his associate and that of Dr. Ivan Pavlov.

Teaching Machines: Part I and Part II

16 mm., sound, B & W, 33 min. each part, rental: $4.50 - 3 days
State University of Iowa - Bureau of Audio-Visual Instruction

Part I describes concepts of automated teaching machines. Part II shows the construction of items in order to insure the correct response, the utilization of prompting, etc.

Technology and You

16 mm., sound, color, 13 min.
Rental: $4.50 - University of Michigan
University of Wisconsin

Technology defined: examples of its application in transportation, architecture, automation, use of electrical, atomic and solar power, and in research. Vocational opportunities for students; importance of preparation for employment.

Technique for Tomorrow

25 min., B & W
Ford Motor Company
Business Screen Magazines, Inc.

A modern industrial revolution - automatic control of machinery and the mechanical transfer of materials. Automation means high productivity with less human effort and a new standard of living for all.

Telegram for America

16 mm., B & W, sound, 30 min.
Western Union

The Thinking Machine

16 mm., sound, B & W, 54 min., rental: free
Association Films

From the October, 1960 CBS-TV series "Tomorrow" with actor David Wayne and top scientists. A TV play is written by a computer, a computer learns as a child learns, and a computer plays checkers. Dr. Jerome Wiesner of M.I.T. introduces frontiers in brain and computer research. Other authorities include: Dr. Claude Shannon, Dr. Jerome Y. Lettvin, and Dr. Douglas Ross, all of M.I.T., Professor H. A. Simon of Carnegie Institute of Technology, Dr. Arthur Samuel of I.B.M., and others.

Thinking Machines

16 mm., sound, color, 19 min.
Rental: $2.00 - University of California
$6.00 - University of Michigan

Approaches and experiments in machine "intelligence" with Claude Shannon of M.I.T., Alex Bernstein of I.B.M. and Leon Harmon of Bell Laboratories. A mechanical mouse that learns by trial and error, a chess game against a giant computer, and a machine that recognizes visual highlights.

This is Automation

30 min.
Rental: $10.00 - Pennsylvania State University
$1.00 - University of Georgia

How automation increases productivity, upgrades workers' skills, improves quality, expands capacity, and cuts cost; numerous applications.

This is Automation

16 mm., sound, color., 30 min. (3 reels), rental: $1.00
University of Georgia
University of Wisconsin

Gives examples ranging from the manufacture of cookies to cars. Some are as complex as machining automobile engine blocks, and others as simple as packaging nuts and bolts. Produced by General Electric.

Then and Now

16 mm., sound, color, 12 min.
Univac - Division of Sperry Rand

An account of the development of ENLAC, the first electronic computer. J. Presper Eckert and Dr. Mauchly discuss their current interests and activity.

This is Recomp.

Sound, color, 14 min., rental: free
Autonetics

This is Speediflex

16 mm., sound, color, 25 min. (1 reel)
Moore Business Forms, Inc.

Illustrates the uses of the Speediflex products.

To Hare is Human

16 mm., sound, color, 8 min.
Univac - Division of Sperry Rand

Bugs Bunny is kept busy countering schemes devised by the Wolf and his do-it-yourself computer kit.

To Meet the Challenge

18 min., color
General Motors Corporation
Business Screen Magazines, Inc.

Disproves the common conception of conditions in a foundry. Shows new techniques, time and labor saving devices, automatic machines, mechanical cleaning operations.

Tomorrow?

27-1/2 min., CC-504, rental: $8.00, sale: $160.00
Association Films, Inc.
Office for Audio-Visuals
Alden Films

Sober questions are asked: What must Christians do to cope with this technological revolution? What can the churches do? Should we fear or trust these machines? A Leader's Guide and resource paper are provided for discussion purposes.

The Transistor

16 mm., 10 min.
Association Films, Inc.

How the transistor has taken the place of the old vacuum tube and is destined for new roles in electronics.

Transit Banking Today

16 mm., sound, color, 10 min.
International Business Machines

Describes a new approach to transit operations with a high-speed 1419 on line with a 1401 and features the new and versatile selective tape listing device on the 1403 printer. Presents the entire check processing procedure and demonstrates a new and dynamic approach to transit which closes a completely automated loop for IBM bank data processing services, from encoding of amounts on the 1203 through transit to demand

deposit accounting. Other bank applications are stated as equally adaptable on this most popular bank data processing system--the IBM 1401 on line MICR bank processing system with STL (selective tape listing).

Truck Route to Better Records (VA U 1670)

16 mm., sound, B & W, 17 min., cleared for TV
Univac - Division of Sperry Rand

The "Z Line" realizes their records don't offer adequate information for sound management decisions. The investigation of other trucking firms' methods and procedures reveals punched card installations ranging from the most basic to those using the Univac 60 and Solid State Computers. Advantages in areas such as payroll, interline data, maintenance, sales commissions, billing, accounts receivable and ICC reports.

Univac (Remington Rand)

16 mm., sound, B & W, 27 min.
Victor Animatograph Corporation, Division of Kalart

Universal Machine

16 mm., B & W, 29 min., rental $5.25, sale $125.00
Net Film Service

Dr. Decarlo comments on the computer revolution. The problem of deciding on what to use as a universal "machine language" is explained. Guests: Dr. Hemming, Mr. Gurenberger, Dr. Baron, Mr. Eckert, Dr. Koenigsberg, and Professor Samuel.

Universe

16 mm.
National Film Board of Canada

Explores solar system; night-long vigil with astronomer Dr. Donald MacRae, Toronto; gives shape to theory.

Universe of Numbers

16 mm., B & W, 29 min., rental: $5.25, sale: $125.00
Net Film Service

J. Presper Eckert describes his work with John Mauchly on ENIAC, the first electronic computer. Then follows an explanation in lay terms of how a modern digital computer stores both data and instructions in

number form. A computer is shown being programmed. Mr. Gruenberger shows Dr. Hamming how he trains young people in complicated computer technology.

The Varityper Story

Sound, B & W, 20 min.

Explains the growth and development of VariTyper Composing Machines.

A Voice in Business

16 mm., sound, B & W, 13-1/2 min., 1960
International Business Machines

Illustrates how a corporation communicates with its stockholders, including a typical annual stockholders' meeting.

A Voice for Mercury

16 mm., color, 14-1/2 min.
Association Films, Inc.

The story of a space shot--from the training of an astronaut to the vast preparations and activity by ground communications people around the globe. Centralized computers calculate orbital data as the shot circles the globe.

What Do You Want (VA U 1736)

16 mm., sound, color, 20 min., 1960
Univac - Division of Sperry Rand

Traces the development of electronic computers from ENIAC to Univac III. Emphasizes how Univac, backed by the resources of Sperry Rand, pioneered and will continue to lead in the development and production of computing systems. J. P. Eckert, co-inventor of the first digital systems, gives a glimpse at the computers of the future, exploring such areas as speed, storage, and application.

What is EDP?

16 mm., sound, color, 13 min.
International Business Machines

Discussion of the basic principles of electronic data processing. Explains the provisions for input, storage, processing and output of

data. Also briefly deals with punched cards, paper and magnetic tape, magnetic ink, and magnetic drum, disk and tape storage. For high school level and above, with some interest or background in the subject.

Work Simplification in the Office

16 mm., sound, color, 17 minutes, rental: $9.00
Modern Talking Picture Service

Demonstrates application of the work simplification approach to the processing of shipping tickets at the International Furniture Company after shipment of furniture is made. An award winner of the Industrial Management Society.

Work Simplification in the Office

16 mm., sound, B & W, 31 min., rental: $3.50
City College of New York
Victor Animatograph Corporation

Replaces former "Simplifying Work in the Office," produced by the U. S. Army. Improvement of procedures in the office and the importance of applying principles of time and motion study to attain that end.

X-15 - Man Into Space

16 mm., sound, color, 8 min.
International Business Machines

The story of the combined effort of the U. S. Air Force, the National Aeronautics and Space Administration, and North American Aviation,Inc. to fly a man to the edge of outer space.

Xerox 914 Office Copier

16 mm., sound, color, 37 feet, 10 min.
Haloid Xerox, Inc.

Features the Xerox 914 Office Copier.

Your Eye in Defense

16 mm., B & W, 12 min.
Thompson Ram Woolridge, Inc.

Presents an Air Force weapons meet in which SAGE airborne TV cameras provide coverage for observers on ground.

Part II - Filmstrips

Accounting Machine Functions

B & W, manual to be read
International Business Machines

Presents all their punched card accounting machines.

Accounts Payable

International Business Machines

Accounts Receivable Retail

International Business Machines

The Alcoa Story

sound
Standard Register Company

Automation in Today's Modern Office

49 frames, sound, script to be read, color
Friden, Inc.

Automation by means of Common-Language data processing machines.

Basic Data Processing

107 frames
Friden, Inc.

Describes data processing at the source level. Demonstrates the use of punched paper tape to simplify the handling of costly routines for businesses, large or small.

Billing

International Business Machines

The Business of Numbers

Sound, color, 20 min., 1960
Remington Rand Corporation
Burroughs Corporation

From the caveman to the modern scientist, arithmetic is traced with amusing cartoons from its beginning to the modern data processing system.

Card Punching

International Business Machines

Card Sorting

International Business Machines

Cardatype Accounting Machine

International Business Machines

Closeup on P and PA

35 mm., 20 min., 1961
Burroughs Corporation

Introduces the new Series F-P and PA equipment, highlights its advantages over competition, and discusses the various markets for these punched output systems. Excellent for salesmen at branch sales meetings.

Collection of Data

35 mm., sound, color, 22 min., rental: $3.00
City College of New York

Presents gathering and preparation of data for use in statistical presentation and analysis. Discussion of field work, census surveys, other sources of data, editing of data, hand and semi-mechanical tabulation, and machine tabulation.

Data Processing for Wholesale Drug Industry

International Business Machines

The Educated Computer

International Business Machines

801 Proof Machine

International Business Machines

858 Cardatype

International Business Machines

Electric Typewriter

International Business Machines

Evaluation and Improvement

International Business Machines

Final Control and Statements

International Business Machines

Fire and Casualty Agency Accounting

International Business Machines

Focus

International Business Machines

The Fotolist System

20 min.
VariTyper Corporation

Presents the Fotolist, a new system in the field of graphic arts. It is a story from source composition to printing by automation.

408 Accounting Machine

International Business Machines

407 Printing

International Business Machines

1418 Optical Character Reader

International Business Machines

1401 Data Processing System

International Business Machines

1410 Data Processing

International Business Machines

How to Make Time

Sound
Standard Register Company

Integrated Data Processing

Sound
Standard Register Company

IBM Data Processing for Banks

International Business Machines

IBM Accounting

International Business Machines

IBM Data Processing for Savings and Loan Associations

International Business Machines

IBM Datacenter

International Business Machines

IBM Organization

International Business Machines

IBM and the Petroleum Industry

International Business Machines

Introduction to Problem Solving by Paperwork Simplification

Sound, 10 min.
Standard Register Company

Inventory and Materials

International Business Machines

The Language of the Sixties

33-1/3 rpm., color, 122 frames., sale: $20.00 (Dukane projector)
A. B. Dick Company

Life Insurance

International Business Machines

Machine Functions

International Business Machines

The Magic Window

International Business Machines

Manufacturing Control

International Business Machines

Mark Sensing

International Business Machines

Marketing Management Simulation

script, color, 17 frames, 1960
Remington Rand Corporation

Used in orientation of participants to rules and procedures of the simulation.

Maximum Performance

sound
Standard Register Company

Motor Freight

International Business Machines

The New 1620 Data Processing System

International Business Machines

The Next Step Up

sound, color, 12 min., 1957
Remington Rand Corporation

A quick history of retail accounting leading into how the Point O Sale Recorder helps the retail store to maintain records and accounts.

938-9 Electrostatic Printing

International Business Machines

Operating the Filmstrip Projector

International Business Machines

Operations Research - How It Works

33-1/3 rpm, color, 22 min., 106 frames, 1956
Rental: $2.50 - City College of New York
Free - Remington Rand Corporation

Illustrates in detail the application to two specific problems which are representative of the range of problems handled.

Operations Research - Scope and Limitations

33-1/3 rpm, color, 13 min., 61 frames, 1956
Rental: $2.50 - City College of New York
Free - Remington Rand Corporation

Shows how it can handle the more complex problems that arise in many organizations.

Operations Research - What It Is

33-1/3 rpm, color, 17 min., 77 frames, 1956
Rental: $2.50 - City College of New York
Free - Remington Rand Corporation

Gives a general introduction, ending with a review of the circumstances under which use is feasible.

Payroll and Labor Distribution

International Business Machines

Payroll - Salary

International Business Machines

Personnel Records

International Business Machines

Plant and Equipment

International Business Machines

Preparation of Reports

International Business Machines

Principles of Accounting

International Business Machines

Procedure Development

International Business Machines

Production Management

International Business Machines

Public Utilities - Accounting

sound, color, 14 min., 1960
Remington Rand Corporation

Describes how the UNIVAC Punching Printer in 1958 revolutionized Utility Customer Billing Operations, and shows the advantages of combining it with the UNIVAC Solid-State Computer.

The Punch-Card Plan for Motor Freight Accounting

sound, 22 min.
Remington Rand Corporation

The Punch-Card Plan for Wholesale Drug Distributors

sound, 20 min.
Remington Rand Corporation

Punching

International Business Machines

Rent or Buy

International Business Machines

RPQ

International Business Machines

Sales Accounting

International Business Machines

Scheduling

International Business Machines

Service to Local Governments

International Business Machines

Service to Schools

International Business Machines

705

International Business Machines

709 Electronic Data Processc

International Business Machines

Simple Machines Make Work Easier

Film Strip of the Month Clubs

Approved under the National Defense Education Act.

Tax Accounting for Local Governments

International Business Machines

Test Scoring Machine

International Business Machines

This Business of Education

35 mm., color, 18 min., 1959
Burroughs Corporation

Depicts how one urgent problem of school districts (paper that is mushrooming at the same rate as student enrollment) has been solved. Features the numeric, alphanumeric, and punched output Sensimatics.

305 RAMAC

International Business Machines

Time Control

International Business Machines

Timekeeping the Modern Way

Executine, Inc.

To Bridge the Gap

35 mm., color, 18 min., 1961
Burroughs Corporation

Designed to acquaint the smaller businessman, the company accountant, and the CPA with Burroughs punched output Sensimatics, with the short-cut to management reports provided by the Basic Record Control Plan.

UNA and the UNIVAC

sound, color, 16 min.
Remington Rand Corporation

A basic interpretation of data processing from punched cards (through the "Babbage Analytical Engine") to the modern computer. Shows the handling of a routine inventory problem, thereby freeing clerical workers for more creative and productive tasks.

Work Load

International Business Machines

Part III - Slides

The Beauty of It

12" record, color, 16 min., 1960
Burroughs Corporation

Discusses Burroughs system and machines in savings and loan associations.

Break Through for Profit

10" record, color, 16 min., 1958
Burroughs Corporation

Originally released by the Oil Trust Institute of America. Incorporates a statement by this organization's National Secretary in support of accounting mechanization for the fuel oil dealer.

B5000 - A Management Briefing

35 mm., color, 30 min., 1963
Burroughs Corporation

The first of the B5000 slidefilms. Of interest to several levels from programmers to top management. Introduces the B5000--hardware, software, and some of the underlying concepts. Analyzes the B5000's practical advantages over conventional systems in four basic areas important to all computer users--responsiveness, flexibility, efficiency, economy.

The Computer System

33-1/3 rpm., sound, 22 min., 92 frames, $110.00
American Medical Association

Analyzes the concept of the computer as an "electronic brain."

Control Input for A.D.P.

12" record, color, 27 min., 1957
Burroughs Corporation

Explains the basic input problems inherent in punch card data processing equipment and demonstrates how Burroughs Sensimatic Control Input attacks these problems.

Cure for Dataphobia

12" record, color 18 min., 1960
Burroughs Corporation

Features both front office and back office accounting plans, using doctors' offices and clinics. The F-100, F-1000, and F-500 are shown.

Data for Diagnosis

12" record, color, 22 min., 1959
Burroughs Corporation

Produced with the cooperation of American Hospital Association, the National Blue Cross Commission and several hospitals. Shows how hospital accounting and statistical problems can be handled through machine accounting.

Data Processing and the Computer

33-1/3 rpm., sound, 15 min., 68 frames, $110.00
American Medical Association

Outlines the development of "machine language" which enables machines to communicate with each other.

Data Processing Slides

several sets, number unknown
A. Kimball Company

Design for Throughput

35 mm., 12" record, color, 22 min., 1959
Burroughs Corporation

A hardware presentation designed as a direct selling tool for Data Processing representatives. Introduces the prospect to the B200 Series and to the concepts upon which these systems are based.

The Electronic Frontier in Business

33-1/3 rpm, sound, 16 min., 71 frames, $110.00
American Medical Association

The Feasibility Study

33-1/3 rpm, sound, 22 min., 84 frames, $110.00
American Medical Association

Finest for Forty Years

Remington Rand Corporation

Tabulating Accounting.

Forms Design

35 mm., sound B & W, 21 min., 1953
Standard Register Company

Concerns material basic to paperwork simplification. Depicts the step-by-step procedure of a designer developing an invoice form to be typewritten. Shows how the principles of the improvement in formula are scientifically applied to every item of the form and demonstrates the cumulative value of savings achieved by various techniques.

Motor Freight Accounting

Remington Rand Corporation

Accounting - Tabulation

Multi-Matic Payroll Accounting and Peg Board Systems

Remington Rand Corporation

One Road to Decision

Burroughs Corporation

Directed toward Chevrolet dealers and accountants to demonstrate the advantages of machine accounting. Testimonials about machine features of the F-1500.

The Open Road

35 mm., 12" record, color, 19 min.
Burroughs Corporation

Features the recorded testimonials of Automobile Dealers throughout the country who are users of Burroughs equipment. Answers questions regarding clerical savings, current operating information, ease of operation, installation, accuracy, and recapture of investment.

Paper Goes to Work

sound, color, 16 min., 1956
Standard Register Company

Shows how paperwork simplification techniques are designed to reduce the amount of work and to save money. Reviews the typical flow of paperwork in the accounts receivable and payable areas.

Payroll Accounting

Remington Rand Corporation

Production Control Methods and Procedures

Remington Rand Corporation

Accounting - Tabulating

Serving Through Better Systems

12" record, color, 17 min., 1960
Burroughs Corporation

Made especially for accountants' seminar program and serves as an introduction to the Burroughs Corporation.

Systems Analysis

sound, 13 min., 1953
Standard Register Company

Presents the technique of paperwork simplification as developed by Standard Register and applied to the analysis of systems.

They Pay Their Way

12" record, color, 21 min., 1960
Burroughs Corporation

Features the Electronic Bank Bookkeeping machine in action. Twelve bankers from coast to coast verify the money and time savings they have achieved with the Sensimatic. Aimed at the medium and small sized bank.

Trigger for Automation

12" record, color, 19-1/2 min., 1958
Burroughs Corporation

A close look at the "happy" banking problems created by the burgeoning American population. Details possible automation steps the banker can take to meet the needs of a growing business.

Union Dues Accounting

Remington Rand Corporation

Accounting - Tabulating

UNIVAC 11

color
Remington Rand Corporation

Railroad Freight Claim Accounting

Remington Rand Corporation

Accounting - Tabulation

Record Sort

Remington Rand Corporation

Accounting - Tabulation

What's the Big Idea

sound, B & W, 14 min., 1961
Standard Register Company

Introduces the Stanomatic System and its equipment, the Stan-recorder and Reader Translator.

Wholesale Drug Accounting

Remington Rand Corporation

Accounting - Tabulating

SECTION II

ALPHABETICAL LISTING OF DISTRIBUTORS

ALPHABETICAL LISTING OF DISTRIBUTORS

A. B. DICK COMPANY, 5700 West Touhy Avenue, Chicago 48, Illinois

Office Work Simplification Improvements (film)
The Language of the Sixties (filmstrip)

ADMIRAL CORPORATION, 3800 Cortland Street, Chicago 47, Illinois

Automation in Television (film)

ALDEN FILMS, 5113 16th Avenue, Brooklyn 4, New York

Tomorrow? (film)

AMERICAN FILM REGISTRY, 1018 South Wabash, Chicago, Illinois

Electronics: The Diode (film)

AMERICAN MANAGEMENT ASSOCIATION, 1515 Broadway, New York 36, New York

Films

Performance and Work Measurement - Quality Control
Performance and Work Measurement - Work Sampling
Pert Applications and Principles
Profitable Computer Systems

AMERICAN MEDICAL ASSOCIATION, 1515 Broadway, New York 36, New York

Film

Integrating the Office for Electronics

Filmstrips

The Computer System
Data Processing and the Computer
The Electronic Frontier in Business
The Feasibility Study

ARTHUR ANDERSON & COMPANY, 1320 West 3rd Street, Los Angeles, California

Films

Delay Into Dollars
Electronics for Accounting and Business

ASSOCIATION FILMS, INCORPORATED, 347 Madison Avenue, New York 17, New York

Films

Minuteman
The Satellite That Talks
The Thinking Machine
Tomorrow?
The Transistor
A Voice for Mercury

AUDIO-VISUAL EXTENSION SERVICE, 17 Lexington Avenue, New York 10, New York

Sampling Work in the Office (film)

BAILEY FILMS, INCORPORATED, 6509 DeLongpre Avenue, Hollywood 28, California

Films

Duplicating by the Spirit Method
Mimeographing Techniques

BURROUGHS CORPORATION, Second Avenue at Burroughs, Detroit, Michigan

Films

B-301 Burroughs Magnetic Document Processing System
B-251 Visible Record Computer
Burroughs Newsreel #1-62; B-260 at NMAA
Burroughs Newsreel #2-62; Cube Meets the B-5000
Burroughs Newsreel #3-62; B-270 at NABAC
Electronic Bank Bookkeeping on the Job
F-2000 Computer
First Alert
Mark of Computence
More Than Miraculous
Pilot for Atlas
Power To Serve
The Problem Solvers
Program for Progress
Sensimatic Story
The Sensitronic
A Stronger Link

Slidefilms

The Beauty Of It
B-5000...A Management Briefing
Break Through for Profit
Closeup on P and PA!
Control Input for A. D. P.
Cure for DataPhobia

Burroughs (cont'd.) - slidefilms

Data for Diagnosis
Design for Throughput
On the Road to Decision
The Open Road
The Package Punch
Serving Thru Better Systems
They Pay Their Way
This Business of Education
To Bridge the Gap
Trigger for Automation
Your Investment in Inventory

BUSINESS EDUCATION FILMS, 4607 16th Avenue, Brooklyn 4, New York

Films

Accounting and Calculating Machines
Integrated Data Processing

BUSINESS SCREEN MAGAZINES, INCORPORATED, 7064 Sheridan Road, Chicago 26, Illinois

Films

The Computer Comes to Marketing
Numerical Control, Industry's Advanced Production Method
Technique for Tomorrow
To Meet the Challenge

CITY COLLEGE OF NEW YORK, 17 Lexington Avenue, New York 10, New York

Films

Automation
Flow Process Chart
Methods Analysis
S.A.M. Rating Films
Work Simplification in the Office

Filmstrips

Collection of Data
Operations Research: A Practical Introduction for Management

COLBURN FILM DISTRIBUTORS, INC., P. O. Box 470, 668 North Western Avenue, Lake Forest, Illinois

Film

Electronic Computers and Applied Mathematics

CONTEMPORARY FILMS, INCORPORATED, 267 West 27th Street, New York 1, New York

Automation (film)

CORONET FILMS, Coronet Building, Chicago 1, Illinois

Number System and Its Structure (film)

DATA PROCESSING MANAGEMENT ASSOCIATION, 524 Busse Highway, Park Ridge, Illinois

Films

The Automation of B. J. Blurch, Inc.
Automation in Air Traffic Control
Census '60
The Information Machine
Intercept
Introduction to Feedback
No Time for Cookie Jars
The Question Tree
What Do You Want
Your Investment in Inventory

Filmstrips

Paper Goes To Work
Una and the UNIVAC

DENNIS, WILLIAM M. FILM LIBRARIES, 2506½ West 7th Street, Los Angeles 57, California

The Living Machine (film)

DEVRY TECHNICAL INSTITUTE, 4141 Belmont Avenue, Chicago 41, Illinois

Films

America's Rising New Giant
Electronics in Space Travel
Electronics Is Helping To Write For American Industry

DIGITAL COMPUTER LABORATORY, M.I.T., Cambridge 39, Massachusetts

Making Electrons Count (film)

EDUCATIONAL TESTING SERVICE, 4640 Hollywood Boulevard, Los Angeles 27, California

The Thinking Machine (film)

EXECUTINE, INC., 415 Lexington Avenue, New York 17, New York

Timekeeping the Modern Way (filmstrip)

FIFTH ARMY, Central Film Exchange, Fort Sheridan, Illinois

Introduction to Automatic Data Processing (film)

FILMSTRIP-OF-THE-MONTH CLUBS, 355 Lexington Avenue, New York 17, New York

Simple Machines Make Work Easier (filmstrip)

FRIDEN, INCORPORATED, San Leandro, California

Filmstrips

Automation in Today's Modern Office
Basic Data Processing

GENERAL MOTORS, 405 Montgomery Street, San Francisco 4, California

Films

The Easier Way
Machine Tools and Motions

HALOID XEROX, INCORPORATED, Rochester 3, New York

Films

Automatic Xerography
Xerox 914 Office Copier

HAMILTON FILM SERVICE, 245 West 55th Street, New York 19, New York

The Teaching Machine--A Psychological Experience (film)

HONEYWELL, Wellesley Hills, Massachusetts

Films

The Datamatic 1000 System
Orthoscanning

HOTCHKISS, TOM, P. O. Box 4102, San Fernando, California

Eggs By Automation (film)

INDUSTRIAL ENGINEERING COLLEGE, 3309 Washington Boulevard, Chicago 24, Illinois

Mighty Labors (film)

A. KIMBALL COMPANY, 730 South Los Angeles Street, Los Angeles, California

Data Processing Slides (slide)

IBM CORPORATION, 590 Madison Avenue, New York 22, New York (and local offices)

Films

Anywhere in the World
The Bank
Banking Premiere
By the Numbers
The Cards That Count
City at Night
Computer Control of a Catalytic Cracker
Costs That Make Sense
Data Processing for Hospitals
Direct Line to Decision
Disking That Are a Cylinder
The Information Machine
Insurance Bulletin #1
Intercept
The IBM 1404 Printer
The IBM 1428 Alphameric Optical Reader
IBM Control Systems at Work
Introduction to Feedback
Mathematical Peep Show
A Moon is Born
The Next Step
No Compromise
No Margin for Error
OAO...Eye in Space
On Guard
Piercing the Unknown
Potlatch Forests, Inc.
The Question Tree
Ramac
The Search at San Jose
Superconductivity
Transit Banking Today
A Voice in Business
What is EDP
X-15...Man into Space

Filmstrips

Accounting Machine Functions
Accounts Payable
Accounts Receivable Retail
Billing
Card Punching
Card Sorting

IBM Corporation (cont'd) - Filmstrips

Cardatype Accounting Machine
Data Processing For Wholesale Drug Industry
The Educated Computer
801 Proof Machine
858 Cardatype
Electric Typewriter
Evaluation and Improvement
Final Control and Statements
Fire and Casualty Agency Accounting
Focus
408 Accounting Machine
407 Printing
1418 Optical Character Reader
1401 Data Processing System
1410 Data Processing
IBM Data Processing for Banks
IBM Accounting
IBM Data Processing for Savings and Loan Associations
IBM Datacenter
IBM Organization
IBM and the Petroleum Industry
Inventory and Materials
Life Insurance
Machine Functions
The Magic Window
Manufacturing Control
Mark Sensing
Motor Freight
The New 1620 Data Processing System
938-9 Electrostatic Printing
Operating the Filmstrip Projector
Payroll and Labor Distribution
Payroll-Salary
Personnel Records
Plant and Equipment
Preparation of Reports
Principles of Accounting
Procedure Development
Production Management
Punching
Rent or Buy
RPQ
Sales Accounting
Scheduling
Service to Local Governments
Service to Schools
705
709 Electronic Data Processor
1620 Data Processing System
650 Magnetic Drum Data Processing Machine

IBM Corporation (cont'd) - filmstrips

Tax Accounting for Local Governments
Test Scoring Machine
304 Ramac
Time Control
Work Load

McGRAW-HILL TEXT FILMS, 330 West 42nd Street, New York 36, New York

Films

Automatic Machines
Automation
Massachusetts Institute of Technology (Automation)
Other Title: Automatic Machines
Methods Analysis
Overcoming Resistance to New Methods

MODERN TALKING PICTURE SERVICE, 216 East Superior Street, Chicago 11, Illinois

Films

Office Work Simplification Improvements
The Paperwork Problem
Work Simplification in the Office

MOORE BUSINESS FORMS, INC., P. O. Box 4787, Bayshore Station, Oakland 23, California

Films

Forms Handling Equipment
A Matter of Form
Speediflex
Success Story

NATIONAL AERONAUTICS & SPACE ADMINISTRATION, Washington 25, D. C.

Celestial Mechanics and the Lunar Probe (film)

NATIONAL CASH REGISTER, Dayton 9, Ohio

Films

Magic Wheel
The NCR 450 Proof Machine
The NCR 315 Electronic Data Processing System Featuring CRAM
The NCR 390 Electronic Data Processing System
The NCR 240-1 Optical Character Scanner
An E.D.P. Site-Seeing Tour

NATIONAL CASH REGISTER COMPANY, EDP Division, Dayton 9, Ohio

Filmstrips

Forms Design
Paper Goes To Work
Systems Analysis
What's The Big Idea?

NATIONAL FILM BOARD OF CANADA, 680 Fifth Avenue, New York 19, New York

Films

Mathematics At Your Fingertips
The Living Machine
Tomorrow?
Universe

NET FILM SERVICE, Indiana University, Bloomington, Indiana

Films

The Control Revolution
Engine At The Door
Logic By Machine
Managers and Models
Universal Machine
Universe of Numbers

PACIFIC PRODUCTS, Mason Street, San Francisco, California

Punched Card Data Processing System (filmstrip)

PACIFIC TELEPHONE COMPANY, Local Office

Films

Challenge of Change
Dial the Miles
Memory Devices
Mr. Digit and the Battle of Bubbling Brook
Mobile Telephones
Principles of the Optical Maser
Talking of Tomorrow

PARSON, DON H., ASSOCIATES, Instructional Aids, 1415 Westwood Boulevard, Los Angeles 24, California

Electronic Computers and Applied Mathematics (film)

PENNSYLVANIA STATE UNIVERSITY, Audio-Visual Aids Library, University Park, Pennsylvania

Films

Automation
Electronic Computers and Applied Mathematics
Man-Machine Charts
Methods Analysis
Motion Study Applications
Motion Study Principles
Process Charts
Quality Control
This Is Automation

PROCTER & GAMBLE, Cincinnati, Ohio

Fair Day's Pay (film)

PURDUE UNIVERSITY, Lafayette, Indiana

Definition of Therbligs (film)

RADIO CORPORATION OF AMERICA, Hollywood, California

RCA 501 (film)

ROHR CORPORATION, P. O. Box 878, Chula Vista, California

Films

Numerical Control
Rohr-Remington Rand, Numerical Control

STANDARD REGISTER COMPANY, Dayton, Ohio

Film

Integrated Data Processing

Filmstrips

The Alcoa Story
How to Make Time
Integrated Data Processing
Introduction to Problem Solving by Paperwork Simplification

Slides

Forms Deisgn
Paper Goes to Work
Systems Analysis
What's the Big Idea?

STATE UNIVERSITY OF IOWA, Iowa City, Iowa

Films

Learning and Behavior
Man-Machine Charts
Motion Study: Applications
Motion Study: Principles
Process Charts
Teaching Machines: Part I
Teaching Machines: Part II

STERLING EDUCATIONAL FILMS, 241 East 34th Street, New York, New York

The Living Machine (film)

SYSTEM DEVELOPMENT CORPORATION, 2500 Colorado Avenue, Santa Monica, California

Films

Computer Programming
Programming Languages
SDC's Automated Teaching Project

SYRACUSE UNIVERSITY, Building D-7, Collendale Campus, Syracuse 10, New York

Automation (film)

TEACHING AIDS, INCORPORATED, P. O. Box 3527, Long Beach 3, California

Films

Accounting & Calculating Machines
Maintenance of Office Machines
Modern Business Machines

TENNESSEE VALLEY AUTHORITY

Letter Indexing Applied to Clerical Operations (film)

THOMPSON RAMO WOOLRIDGE, INCORPORATED, 8433 Fallbrook Avenue, Canoga

Films

All About Polymorphics
Automatic Test Control & Data Reduction with RW-300 Digital Systems
Pacific Semiconductors, Incorporated
The RW-300 Digital Control Computer
RW-400 Polymorphic Data Processing System

Thompson Ramo Woolridge, Incorporated (cont'd) - films

TRW Computers Closing the Loop
TRW Western Electronics
Your Eye in Defense

UNIVAC--DIVISION OF SPERRY RAND CORPORATION, Remington-Rand, Sperry Rand Building, New York 19, New York

Films

Automation in Air Traffic Control
Census '60
Decisions, Decisions, Decisions
Dynamic Sales Management
Introduction to Digital Computers
It Must Be Somewhere
Keys to Electriconomy
Mines, Mills, and Minutes
Months into Minutes
No Time for Cookie Jars
Numerical Control--Solid State
Rocket Squad
Savings with SUIAP
Sights and Sounds of Progress
Then and Now
To Hare is Human
Truck Route to Better Records
UNIVAC
What Do You Want?

Filmstrips

This Business of Numbers
Manufacturing Management Simulation
Marketing Management Simulation
The Next Step Up
Operations Research--How it Works
Operations Research--Scope and Limitations
Operations Research--What it is
Public Utilities--Accounting
The Punched-Card Plan for Wholesale Drug Distributors
The Punched-Card Plan for Motor Freight Accounting
UNA and the UNIVAC

Slides

Finest for Forty Years
Motor Freight Accounting
Multi-Matic Payroll Accounting and Peg Board Systems
Payroll Accounting
Production Control Methods and Procedures
Railroad Freight Claim Accounting

Univac (cont'd) - slides

Record Sort
Union Dues Accounting
UNIVAC II
Wholesale Drug Accounting
Your Investment in Inventory

UNITED CHURCH OF CHRIST, 1501 Race Street, Philadelphia, Pennsylvania

Tomorrow? (film)

UNITED WORLD FILMS, 1445 Park Avenue, New York 29, New York

Friendship 7 (film)

UNIVERSITY OF CALIFORNIA, Berkeley, California

Films

Automatic Machines
Automation
Electronic Computers & Applied Mathematics
Electronic Computers Improve Management Control
Flow Process Chart and How to Use it
Have I told you Lately I Love You
Thinking Machines

UNIVERSITY OF CALIFORNIA AT LOS ANGELES, Los Angeles, California

Films

The Foreman Discovers Motion Study
Introduction to Work Sampling

UNIVERSITY OF COLORADO, Boulder, Colorado

Films

Base and Place
Electronic Computers Improve Management Control
Methods Analysis

UNIVERSITY OF GEORGIA, Athens, Georgia

This is Automation (film)

UNIVERSITY OF MICHIGAN, Ann Arbor, Michigan

Films

Automation
Donald in Mathmagic Land
Eggs by Automation
The Flow Process Chart and How to Use it
Introduction to Work Sampling
Motion Study Applications
Techniques for Tomorrow
Technology and You
Thinking Machines

UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles, California

Films

Careers in Business Data Processing
Have I told You Lately I Love You

UNIVERSITY OF WISCONSIN, Madison, Wisconsin

Films

Job Evaluation
The Search: M.I.T. Automatic
Techniques for Tomorrow
This is Automation

VARITYPER CORPORATION, 720 Frelinghuysen Avenue, Newark 12, New Jersey

The Varityper Story (film)
The Fotolist System (filmstrip)

VICTOR ANIMATOGRAPH CORPORATION, Plainville, Connecticut

Films

Automatic Radial Draw Former and Tangent Bending
IBM Card
Office Teamwork
This is Automation

WESTERN UNION, Local Office

Telegram for America (film)

WESTERN RESERVE UNIVERSITY, Cleveland, Ohio

Metals Information Center of Tomorrow (film)

SECTION III

INTERNATIONAL

This listing on foreign films, slides, and tapes is the most current one that could be developed because of misunderstanding of the term "audio-visual." As more data becomes available, an attempt will be made to update the list.

Films

Computing for Profit

color, 17 min.
The Librarian, Ferranti Ltd., 68 Newman Street, London, W. 1, England

A description of five Ferranti computer applications.

Electronic Age

16 mm., sound, color, 35 min.
San Diego State College (Dr. E. Dana Gibson), San Diego, California

Deals with the Geneva 60 computer.

The Electronic Computer in Commerce

16 mm., sound, color, 28 min.
Unilever Film Library, Blackfriars, London, E. C. 4, England

Deals with programming, simple clerical operations, and commercial decisions.

The Ferranti Pegasus Computer

color, 8 min.
The Librarian, Ferranti Ltd., 68 Newman Street, London, W. 1, England

An introduction to the Pegasus computer and its applications.

The Ferranti Perseus at Stockholm

B & W, 8 min.
The Librarian, Ferranti Ltd., 68 Newman Street, London, W. 1, England

A description of a life insurance data processing application.

Numerical Control

B & W, 17 min.
The Librarian, Ferranti Ltd., 68 Newman Street, London, W. 1, England

A description of the Ferranti system for computer control of machine tools.

Magnetic Tape and Pictures

Data and Decision - The Facit Group

No data sent. Contact
Bertil Grundstrom, Falk, Solna 1, Sweden

Slides

How to Improve the Office Work

PCS and EDPS

The Stream of the Office Work

(No data sent on these three audio-visual aids.) They were described as "slide flims" and are available by contacting Daiji Yamaguchi, Chief
Research And Statistic Department
The Tokio Marine and Life Insurance Company, Ltd.
6 Marunouchi 1-Chome
Chiyodaku
Tokyo, Japan

Swedish Built Facit

No data sent on time length or film particulars. Contact Bertil Grundstrom, Falk, Solna 1, Sweden

Tomorrow's Technology Today

No data sent on time length or film particulars. Contact Bertil Grundstrom, Falk, Solna 1, Sweden

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TOPICAL INDEX

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Careers (See Vocational Guidance)

Census (See Government)

Character Recognition..... 21,27,41

Charting..... 18,27

Communications (See Data Communications)

Computers and Computer Systems..... 3,6,7,10,12, 14,16,17,18,20, 21,22,23,26,28, 29,32,33,34,35, 36,37,40,41,43, 46,47,48,52,69

Control, Generally..... 7,15,16,29,32, 42,43,47,48,51

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